

IDENTIFICATION OF A CULTURE MEDIUM COMPONENT BASED ON  
PARAMETERS OF MEDIUM COMPONENTS

MEASURE FIRST INDICIA OF A PROPERTY OF A FIRST PLURALITY  
OF CULTURE MEDIA WHICH EACH CONTAINS A FIRST TEST  
COMPOUND CHOSEN FROM A FIRST TEST LIBRARY BASED ON A  
SPACE-FILLING TECHNIQUE

DETERMINE A RELATIONSHIP BETWEEN AT LEAST ONE  
PARAMETER OF THE FIRST TEST COMPOUNDS AND THE  
MEASURED INDICIA OF THE PROPERTY, WHERE THE  
RELATIONSHIP IS REPRESENTED BY  $\hat{y}_i = f(x_{ij})$ , WHERE  $x_{ij}$  DENOTES  
A PARAMETER,  $i$  RANGES FROM 1 TO  $n$  WHERE  $n$  REPRESENTS  
THE NUMBER OF FIRST CULTURE MEDIA IN THE PLURALITY  
THEREOF,  $j$  RANGES FROM 1 TO  $d$  WHERE  $d$  REPRESENTS THE  
NUMBER OF PARAMETERS, AND  $\hat{y}_i$  REPRESENTS AN ESTIMATE OF  
THE MEASURED FIRST INDICIA OF THE PROPERTY OF THE  
PLURALITY OF FIRST CULTURE MEDIA

DETERMINE A TEST REQUIREMENT RELATING TO  
THE MEASURED FIRST INDICIA

BASED ON THE RELATIONSHIP BETWEEN THE MEASURED FIRST  
INDICIA AND AT LEAST ONE PARAMETER OF THE FIRST TEST  
COMPOUNDS, IDENTIFY A SECOND TEST LIBRARY CONTAINING A  
PLURALITY OF SECOND TEST COMPOUNDS AS COMPONENTS OF  
A PLURALITY OF SECOND CULTURE MEDIA WHICH ARE EACH  
PREDICTED TO PROVIDE INDICIA OF THE PROPERTY THAT  
SATISFIES THE TEST REQUIREMENT

FIG. 1

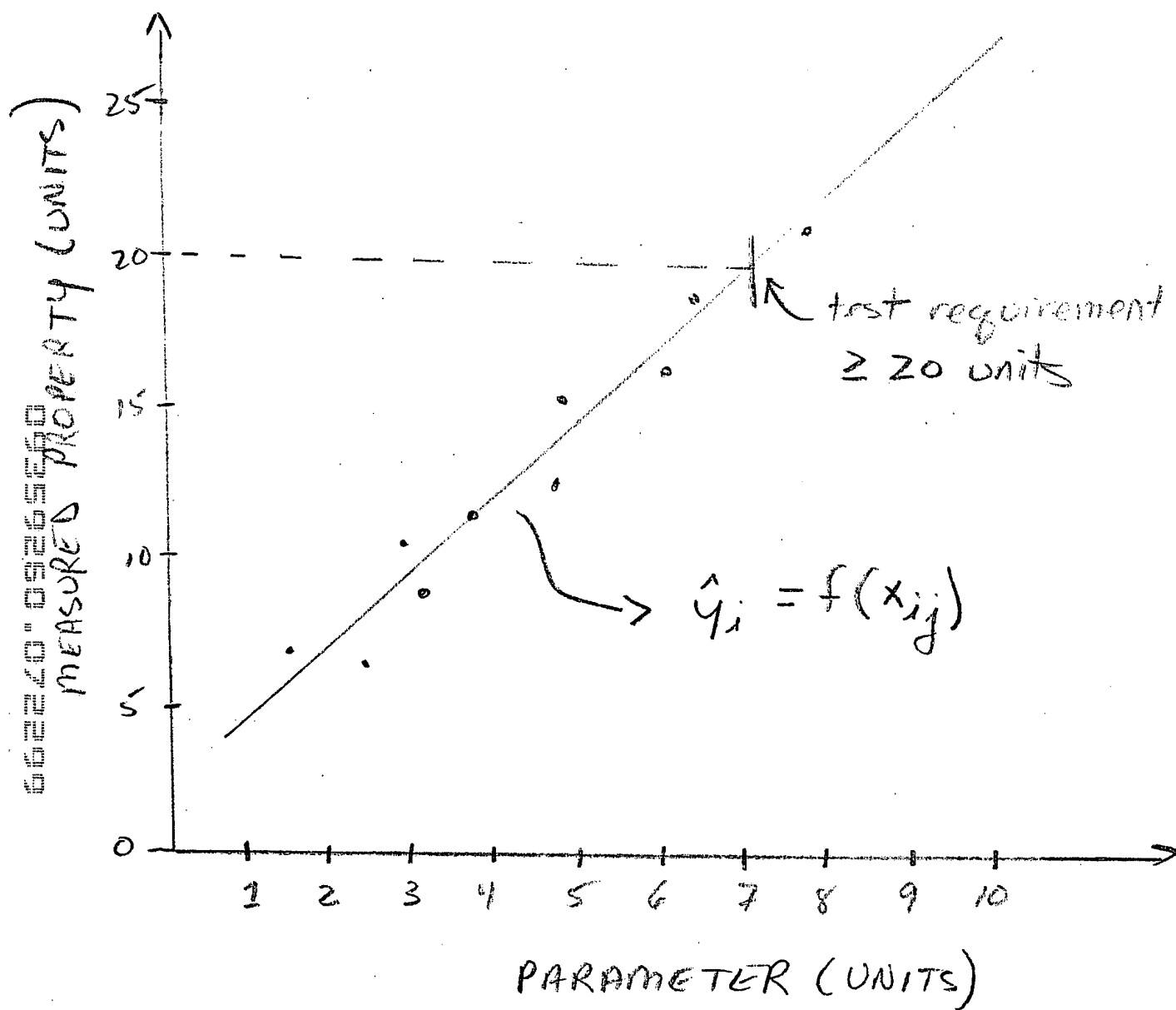


FIG. 2

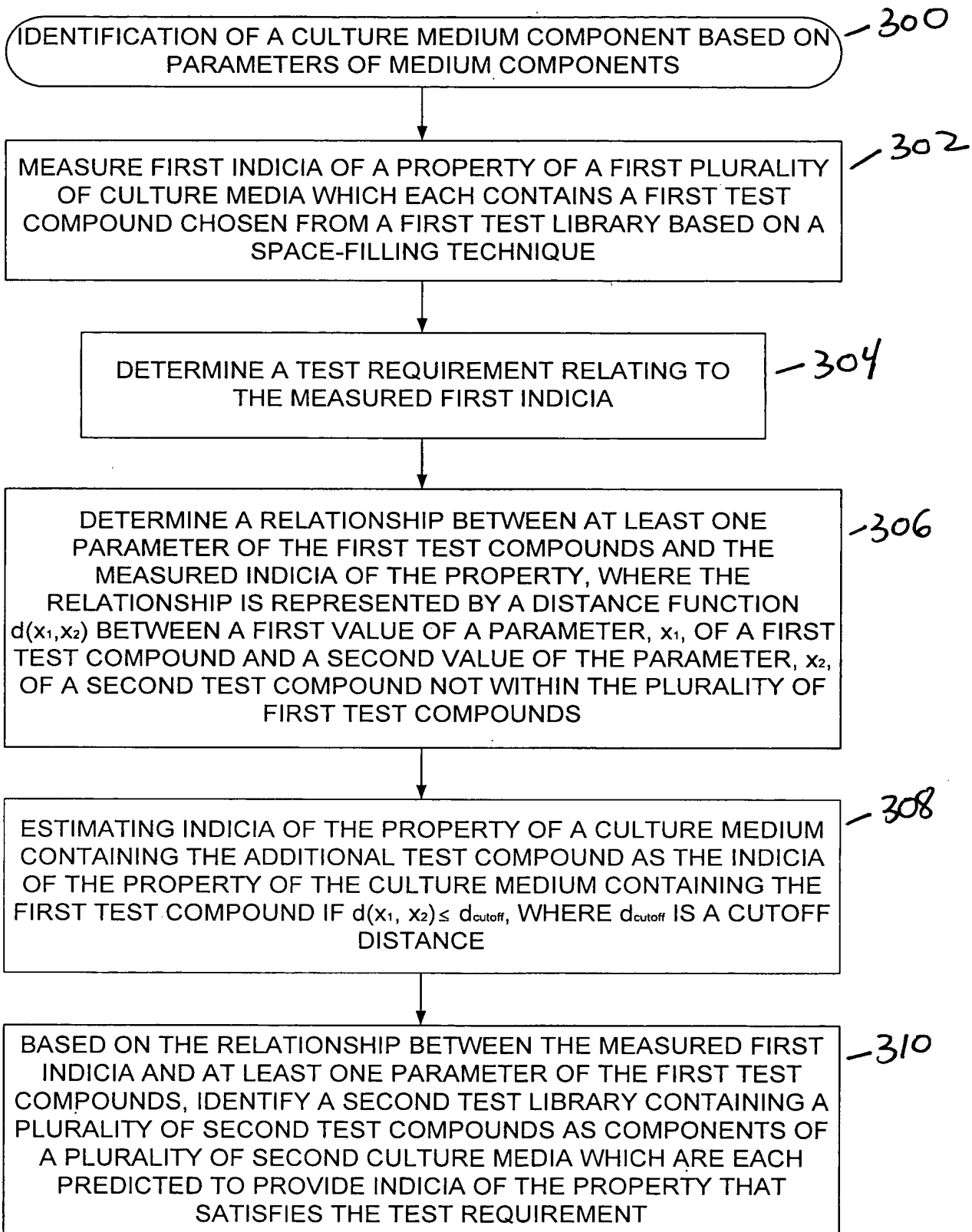


FIG. 3

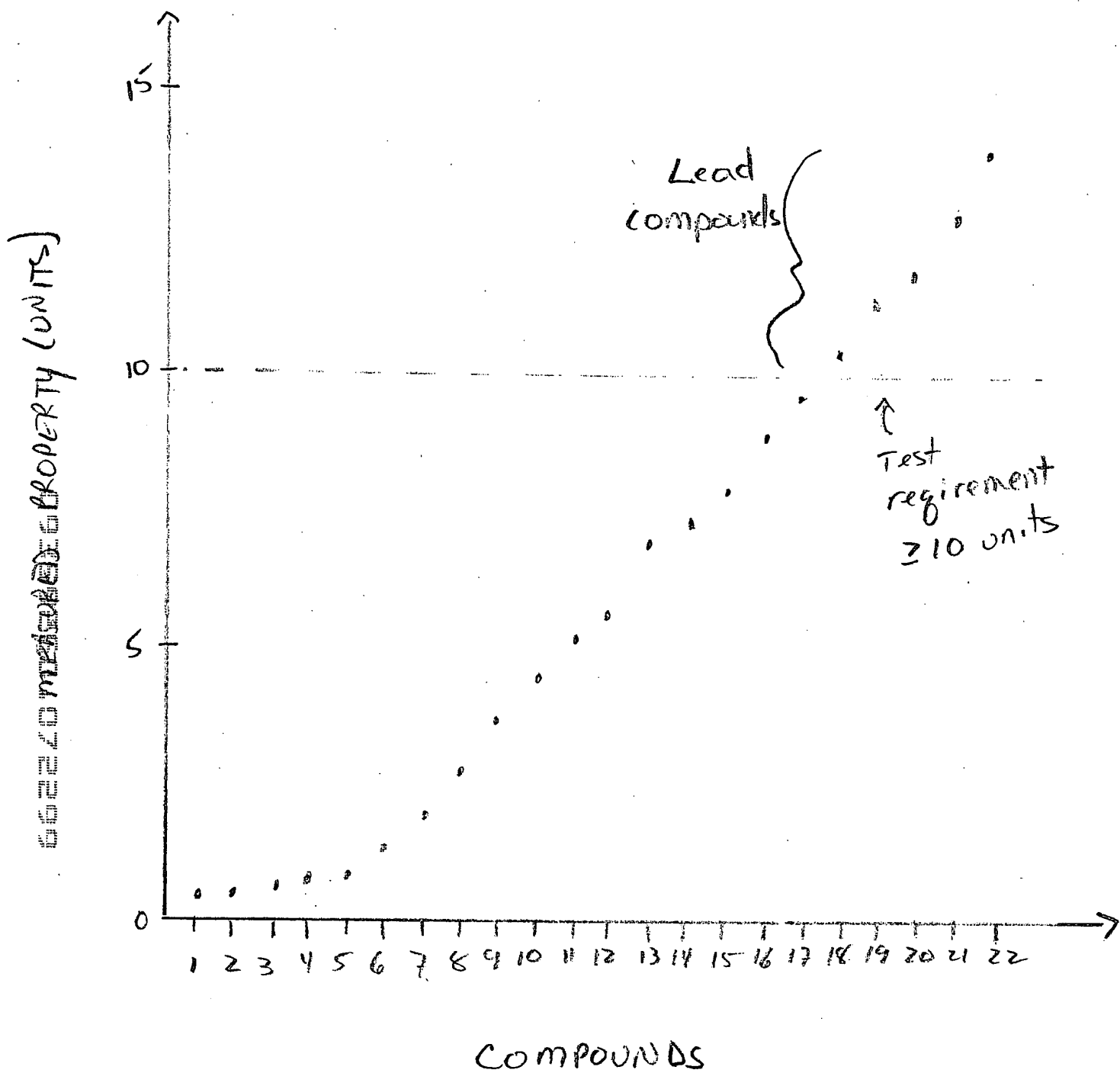


FIG. 4A

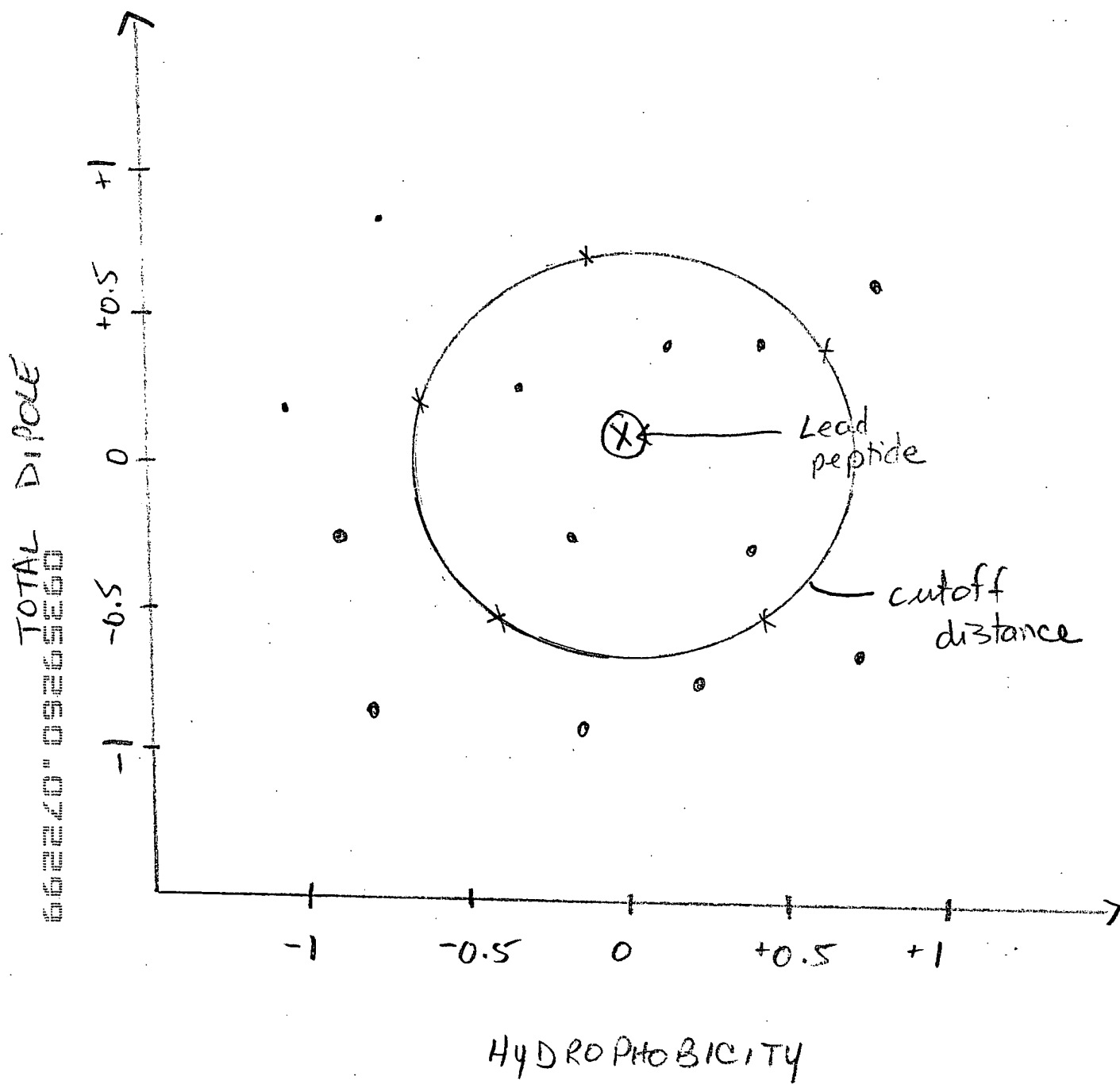


FIG. 4B

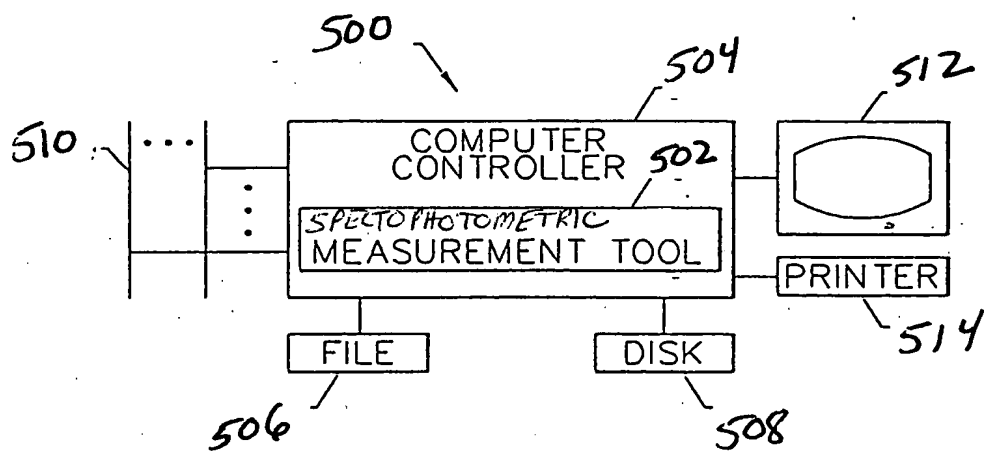


FIG. 5

09350250.072200

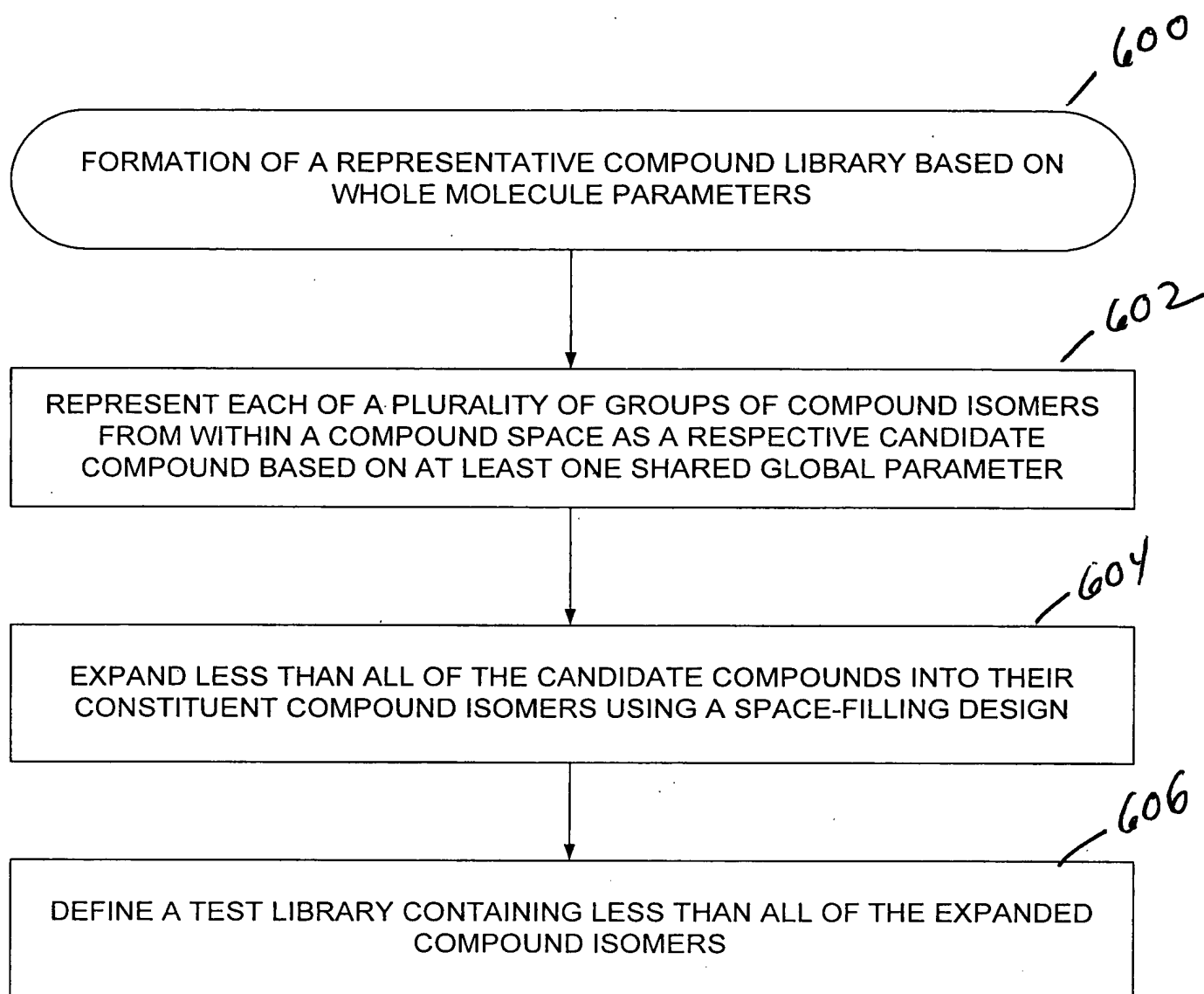


FIG. 6

09259260 072299 662240 09265260

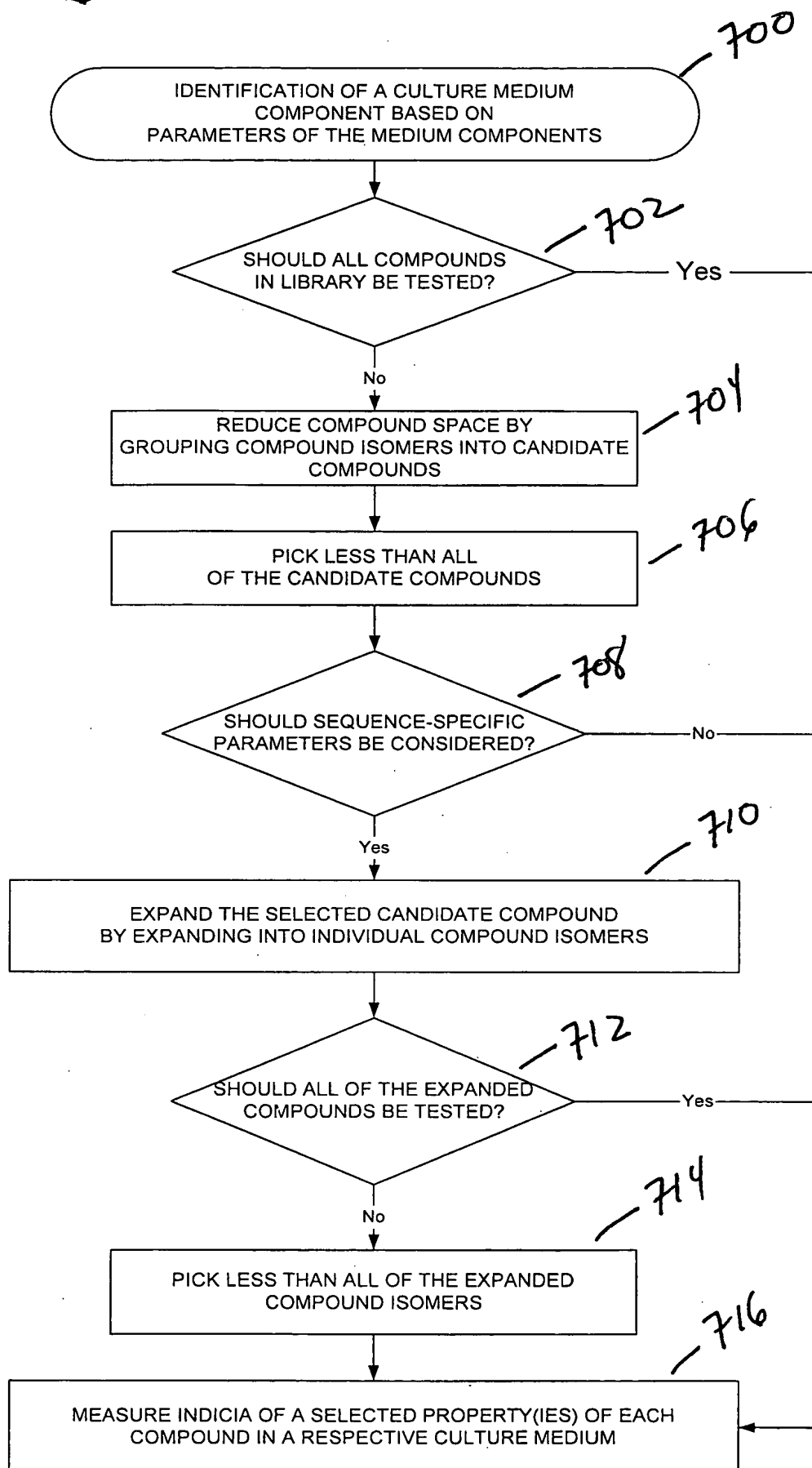
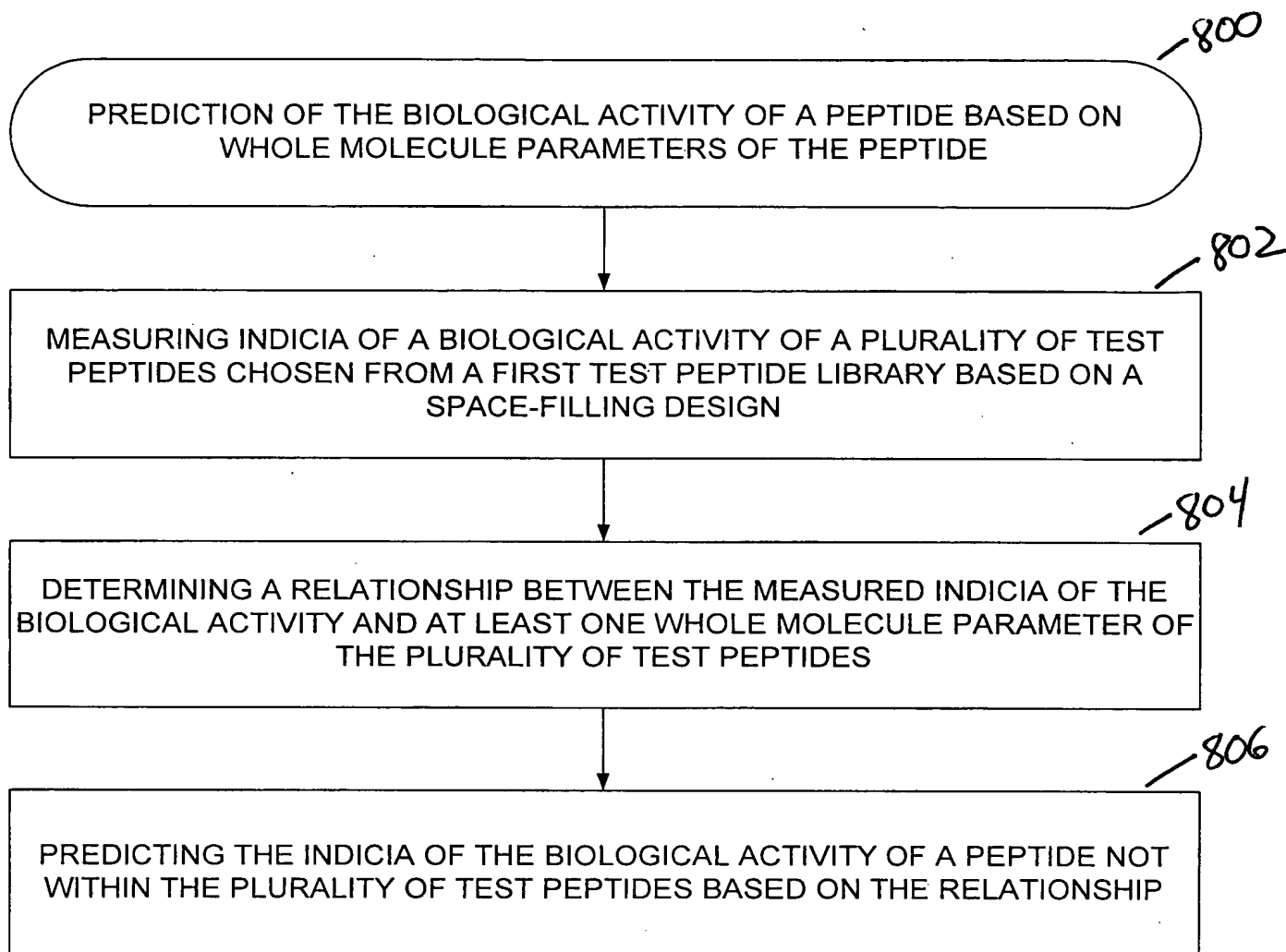


FIG. 7





**FIG. 8**